

# KANSAS GEOLOGICAL SOCIETY

# **BULLETIN**

Volume 77 Number 1

January/February 2002

# IN THIS ISSUE...

15 Abstract on Impact Craters

16 Profile: Elwyn Nagel

18 Memorial: Robert Frensley

# THIS MONTH AT THE KGS

### **NEXT MONTH AT THE KGS**

January 17 Dr. Roger Slatt, Norman, OK

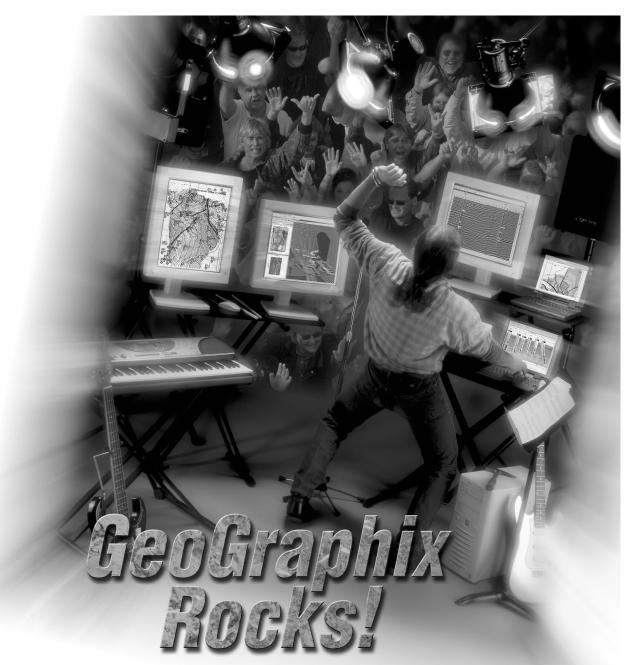
February 21 Dr. Jan Cannon, Tecumseh,

Oklahoma

February 15 Brian Cardott, Oklahoma

Geological Survey

February 28 Dr. David Hughes, Wichita

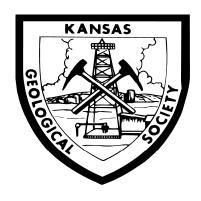


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# KANSAS GEOLOGICAL SOCIETY

# BULLETIN

Volume 77 Number 1

January 2002

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# ON THE COVER

This issue contains a Profile on Elwyn Nagel and a Memorial article on Robert Frensley. There is also a small abstract article on Impact Craters which will be the subject of a technical talk on February 21st by Dr. Jan Cannon of Tecumseh, Oklahoma.

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# **SOCIETY MEETINGS**

February 15 Brian Cardott, Oklahoma Geological Survey
"Coalbed Methane in Oklahoma" (This talk was reschedule from Jan. 31)

February 21 Dr. Jan Cannon, Tecumseh, Oklahoma
"Meteorite Craters" (See Abstract on page 15)

February 28 Dr. David Hughes, Wichita "Of EPA, ARPA, NAGPRA and Other Matters Acronymic and Substantial"

Dr. Roger Slatt, Norman, Oklahoma (Title to be announced)

March 7 Dr. Lyle Baie, Tulsa "21st Century Work Environment—Will I Have a Role"

March 21 Dr. Doren Recker, Stillwater *Topic will be on Evolution* 

March 28 Dr. Deet Schumacher, Tulsa "New Pays in Old Plays"

April 4 Dr. Kenneth Johnson, Norman, Oklahoma "Karst and Evaporites as Related to Petroleum Problems and Activities"

All technical meetings are held at 12:30 p.m. in the Bank of America Auditorium unless otherwise noted.

#### Note:

January 17

For those geologists (M to the end of the alphabet) who need 30 points to renew their licenses, there will be a sign-in sheet at each presentation and also a certificate of attendance.

The Kansas Geological Society has been granted use of the Bank of America auditorium by the owners of the building, Presidio Commercial Services, for 25 occasions during the 2001—2002 program year. Whereas when the bank owned the building, they derived some public relations value, but in reality the present owners have nothing in particular to gain in allowing us to use the facility. They have gone out of their way to accommodate the KGS. If any of you know anyone with Presidio, please make a point to thank them.

## **EDITOR'S PAGE**

Dear KGS members and friends,

We had a great turnout at the Annual KGS Honorary Member and Awards Banquet. My great thanks to Doug Davis for his hard work in organizing the event. Thank you to Kathy Latham and the staff at the Wichita Petroleum Club for a great buffet and service. Pictures from this event will be published in the March/April issue of the *Bulletin*.

This year's honoree's were Jerry Pike and Bob Slamal (posthumously). These gentlemen were both greatly deserving of our society's highest honor. Elbie McNiel introduced Jerry Pike and Tyler Sanders spoke about Bob Slamal. A special highlight to me at the end of Tyler's introduction to Bob was a toast to Bob using specially made shot glasses with the KGS emblem, 2002 and FOB imprinted on the glasses. FOB stands for "friends of Bob." This was done in a light-hearted spirit to remember that Bob often did some ornery things that were out of the ordinary. Sadly, I miss my friend.

Past President, Roger Martin, presented Distinguished Service Awards to Kent Crisler, Kitt Noah, Tyler Sanders, Fred James and Bob Cowdery. Instead of the normal plaques, Roger presented these fine people with pocket watches with the KGS logo.

A special thanks to our Master of Ceremonies, Morris Korphage. Morris always keeps things funny and moving along. I hope we can keep him coming back in the years to come.

In my last letter, I made mention that maybe we should have a KGS cruise in the future. Our new KGS President, Debra Fitzgerald, has been bugging me ever since I wrote that piece. I do think that it would be a great idea to do a cruise for our membership. Given enough lead time, many of the out-of-town members could also participate in a fun time with other members they may only know by phone or letter. I cannot work on such a project in 2002 because Betty's son is getting married in Hawaii in August. Our budget will be strained in meeting our expenses and obligations for this festive occasion. I will, however, be willing to handle a trip in 2003. I ask that members be thinking of both a destination and length of time for such a cruise. Talk to me, people!

Recently Betty and I attended a basketball game at Collegiate High School in Wichita when they played Kingman, Kansas. Our niece Sara Ashida plays for Kingman (a fine guard, if I may say). Betty had noticed in an earlier box score for Collegiate that one of the girls was named Schaake. I must admit it was great to see the daughter of my late friend Dean Schaake starting as a freshman for Collegiate. I think Kate Schaake has a great future. I am quite sure Dean watches over her efforts closely.

Bye for now,

Wes

# PRESIDENT'S LETTER



Dear Members,

I am starting my first year as President and my fourth year on the Board. During this time I have seen many changes. Change for the better is change that is good and every KGS member should be proud of the hard work their fellow geologists have done to keep the Society and Library one of the best in existence. We have a Society that has many, many dedicated members and they are greatly appreciated.

We start the New Year with our Technical Talk Chairman Bob Cowdery scheduling enough talks to satisfy every licensed geologist. This is a wonderful service and Bob does a great job finding excellent speakers at no cost to the Society.

I am writing this letter before the KGS banquet and I hope everyone made it. It was scheduled on the 25th and hopefully I didn't mess up my acceptance speech. Honorary members were Gerald Pike and Robert Slamal. Doug Davis worked very hard on this event. Thank him when you see him.

The AAPG National Convention is March 10-13 and the KGS and KGF will co

-sponsor an exhibit. We will be featuring a demonstration of the Robert Walters Digital Library. It received a lot of attention at last year's convention and this year we have more to show. The digitizing of the library material is proceeding nicely and soon we will have our irreplaceable data archived.

From me and all the KGS volunteers, good luck on your prospects.

Respectfully, *Debbie* 

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### ANNOUNCEMENTS & SPECIAL EVENTS

# Watkins Visiting Professorship Lecture Series: Geology

Sponsored by the Department of Geology of Wichita State University

Dr. Judith Totman Parrish

General Lecture: Geological Perspectives on Global Climate Changes in Earth History

Monday, February 4, 2002—12:30 pm Hubbard Hall, Room 209

Scientific Lecture: Jurassic Park Was Not a Jungle

Tuesday, February 5, 2002—3:30 pm Geology Bldg., Room 101

Scientific Lecture: Comparison of Humid and Semi-arid Paleoecosystems

Wednesday, February 6, 2002—3:30 pm Geology Bldg., Room 101

Professor Parrish is well known for her research into the causes and effects of global climate change and analysis of earth's ancient climates as recorded by evidence in the rock record. Her technique involves applying geological principles to the study of paleoclimates and earth's history.

## **Geology Seminar Series**

Sponsored by the Department of Geology of Kansas State University

An Update on Evolution and Science Education

By Dr. John Staver, Center for Science Education, KSU And Dr. Keith B. Miller, Department of Geology, KSU Wednesday, February 6, 2002—4:00 pm Thompson Hall, Room 101

From Mineral Grain to Mountain Range: Perspectives on the Evolution of the Himalayas

By Dr. Elizabeth Catlos, School of Geology, Oklahoma State University Tuesday, February 26, 2002—4:00 pm Thompson Hall, Room 213

#### 2002 AAPG Annual Convention

March 10 — 13 at the George R. Brown Convention Center Houston, Texas



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**Bulletin** committee members and PhD's in Paleontology are prohibited from entering.

## **COMMITTEE CHAIRMEN**



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# THANKS TO THE KGS CALLING COMMITTEE

Over the past several years, a dedicated group of Kansas Geological Society members have served on the calling committee. Their goal has been to see that every interested member is notified by phone prior to the many meetings that were scheduled during this period.

This group consists of the following: Dave Barker, Bryce Bidleman, Doug Davis, Ken Dean, Alan DeGood, Chris Dilts Knighton, Mary Engleman, Debbie FitzGerald, Dave Goldak, John Hastings, Tim Lauer, Roger Martin, Ernie Morrison, Frank Mize & Larry Skelton.

Some of these individuals continue to serve on the committee making calls week in and week out. Please express your appreciation to these members by thanking them individually if the opportunity presents itself.

# **GEOLOGIST'S WIVES**

#### **Meeting Schedule**

Feb. 15, 2002
Couples Party with Petroleum Wives
Candle Club 6:30 PM
Chairperson: Maggie Atchley
Guests Welcome

March 1, 2002
Location to be determined
11:30 AM
Salad Luncheon
(Everyone bring a salad)
Chairperson: Karon Mitchell
Elect nominating committee for next year
Guests Welcome

#### **Officers for 2001-2002**

President - Dianne DeGood Vice-President - Linda Beauchamp Secretary - Frances Brinegar Treasurer - Virginia Moreland Historian - Beth James

#### MEMBERSHIP REQUIREMENTS

Husband must belong to the Kansas Geological Society or be an acting geologist. Wives of deceased members are eligible to retain their membership. Officers and voting privileges shall be restricted to widows and wives of active Kansas Geological Society members.



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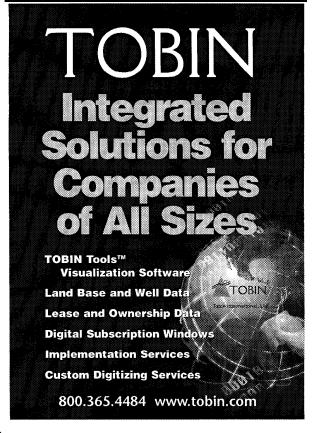
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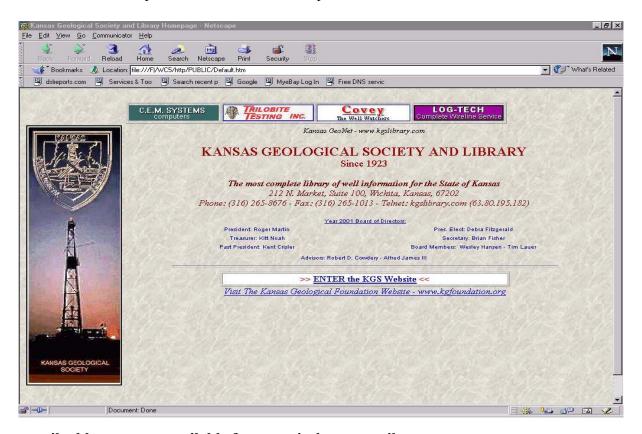


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## FROM THE MANAGER'S DESK

Welcome, welcome to our new Board members. We hope 2002 brings lots of exploration and much higher prices for oil and gas! When the business "gets busy" again, the library staff is ready to keep up the pace. We have finalized the purchase of new copy equipment. We have replaced the big gray Océ (fondly referred to as Hal) with a new, state of the art scanner with two printers (which will be fondly referred to as KIP, until it gives us reason to rename it). We have had it for a month and we are almost past the learning curve. I want to thank those of you who have been in here waiting on a copy of something while we were "learning". You have been very patient with us. We know it is not as fast as the old Hal but it is saving each scan to a computer file which preserves it forever AND will allow it to be available for the internet soon.

I have come up with a new brochure for the Society and Library that explains who we are and what we do. It is aimed at potential new members so if you know of anyone that might be interested in membership, please let me know or stop by my office and pick up a brochure to give to them. It is an easy way to tell someone about the costs and benefits of belonging to the Society and/or Library.

I would like to welcome Sherri Thresher back. Sherri returned to work Monday, January 21st, after taking her maternity leave. Now we have our full team back and ready to make 2002 a great year here at the library.

This past Friday, January 25th, was the annual banquet. If you missed it, you missed a very good time. We had the usual wonderful meal that the Petroleum Club prepares and we had wonderful music by TJ TJ to dance to. We had a very good turn out. I believe there were around 130 people in attendance. Elbie McNeil gave a speech honoring Gerald Pike and Tyler Sanders gave one honoring Bob Slamal. Tyler did a wonderful job of taking a sad situation and making us all remember the "fun" side of Bob. And of course, Doug Davis put that whole party together. Please thank Doug when you see him. He did a wonderful job!

Well, now that the party is over, it is time to get back to work. I look forward to this year and working with the new Board. I think that we have a very good year in front of us, concentrating on the digital library and the integration of new materials that have been donated. The staff of the library wishes all members a very prosperous year!

Respectfully, Rebecca Radford



#### **WSU Watkins Lecture Series**

Monday, February 4, Judith Totman Parrish, professor and associate dean of the geosciences department at the University of Arizona-Tucson, will give a lecture on "Geological Perspectives on Global Climate Changes in Earth History". Ms. Parrish is one of the foremost authorities on ancient climates. She's conducted research into the causes and effects of global climate change, as recorded in Earth's rock record. She will talk about lessons learned from the past and how they give possible ideas on future climate changes. This lecture will be held in 209 Hubbard Hall, WSU campus at 12:30 PM.

While at WSU, Parrish will give two scientific lectures to WSU staff and students: "Jurassic Park was not a Jungle", Tuesday, Feb. 5 and "Comparison of Humid and Semi-Arid Paleoecosystems", Wednesday, Feb. 6. Both lectures will start at 3:30 PM in 101 Geology Building. For more information, contact the Geology Department at 316-978-3140.

## **GEO-NEWS**

#### State Mineral, State Rock, State Fossil

Since Kansas and Mississippi are the only two states, which do not have a state mineral, rock or fossil, it seems logical that the Kansas Geological Society should be the organization to spearhead a drive to have all of these established for the State of Kansas.

Hopefully we will be able to involve the students of USD 259 in the selection process and determine by Earth Science Week (Oct 13-19) the number one candidate for each of these categories.

It has already been suggested that Halite might be a good representative mineral for the State of Kansas and that the Fence Post Limestone (sometimes referred to as the Post-Rock Limestone) might be a good choice for the state rock.

If you have any suggestions, please contact Bob Cowdery by phone and/or fax, 267-9030, or E-mail sbc@southwind.net. You may also contact any member of the Board of Directors of the Kansas Geological Society.

# What do You Think the Posted Price of Oil and an MCF of Natural Gas Will be One Year From Now?

On January 16th at the SIPES technical meeting and on January 17th at the KGS technical meeting, the question above was asked of the attendees of these meetings. The response was minimal (19 out of about 100). The results are tabulated below.

	Crude Oil	Natural Gas	
High	\$25.00	\$4.16	
Low	\$17.00	\$1.75	
Ave.	\$20.63	\$2.91	

#### Abstract on Impact Craters

Cannon, P. Jan, Planetary Data, Tecumseh, Oklahoma

The most common and oldest planetary landform in the universe is an impact crater. The craters are created by the energy expended when a piece of space debris (meteor, meteoroid, or asteroid) enters the gravitational attraction (also referred to as the gravity well) of a planet and subsequently collides with the planetary surface. The mass of the projectile coupled with its hypervelocity creates a crater and completely disintegrates the meteoroid.

On any planet, as impact craters increase in size, there are morphological changes that occur as certain thresholds of energy are crossed. Small craters are simple bowl shapes. On Earth, when the energy levels are great enough to excavate a hole more than 5 kilometers in diameter, an uplifted complex of fractured bedrock begins to form in the geometric center of the crater. This is due to the backwards reflection of the original shock wave that is generated at the time of impact. The effects of fracturing may be seen in the rock beneath the central uplift to depths that are equal to the radius of the crater. Rock materials may be physically brought up from depths that are equal to the craters original

depth.

When terrestrial craters are blasted to diameters of about 15 kilometers or larger, the central uplift takes the form of a rough ring of hills surrounding a dome shaped depression floored with breccia. At this point the craters are often referred to as multi-ring basins.

Buried impact craters can generate reservoir rocks in the brecciated central uplift, the brecciated floor materials, the fractured rim materials and the unconsolidated ejecta piles. The buried impact crater creates the conditions that lead to production from arcuate shaped deposits over the crater floor. Such restricted deposits can act like buried channel deposits or as hydrocarbon source beds. Post impact event strata that are deposited and draped over the crater rim can create a circular anticline that may be segmented by radial faulting. It can also have post impact strata that have been uplifted into a broad gentle dome over the central peak complex by isostatic adjustments and strata that pinchout beyond the uplifted rim.

The optimum locations for preserving an impact crater are the near-shore areas of basins that continued to receive sediments after impact or were quickly transgressed by a rising sea.

# **PROFILE:** Elwyn Nagel

Elwyn Nagel is a local geologist who has been involved in Kansas exploration for sometime, but had a very interesting background before arriving at the exploratory geologist stage of his life.

His story commences in 1928 in the small town of Greenleafton in the southeastern corner of Minnesota. His father was a farmer and his mother a country school teacher. Elwyn has two siblings: Marjorie, who now lives near Austin, Minnesota and Gerald, presently residing in Alma, Wisconsin. Gerald retired after a career in teaching at the college level.



Elwyn attended a country school that at the time had as few as three pupils. He said he was fortunate in having a classmate. In 1945 he graduated from Harmony High School. This is in the area of several interesting caves: Niagara, Mystery etc., but at this time Elwyn had not developed his interest in geology. After spending one year at Winona State, Elwyn joined the Navy. The Navy sent Elwyn to electronics school at Treasure Island, California. After completion of his training, he spent 6 months on the destroyer, USS Miles C. Fox. In April of 1947 he was discharged from the

Navy. He then entered summer school at Colorado College.

After two years and one summer school session at the University of Colorado, Elwyn completed his BA in Psychology in 1950 followed with an MA in Psychology in 1951. For a period he worked on a research project related to the training of gunners on B-29's.

This was followed by a Research Assistantship in Experimental Psychology at the University of Wisconsin.

In 1954 Elwyn married Jaqueline Holl of Wichita. They have two daughters: Margerey and Elise. Elise is married to Igor Ponomarev. Both of the daughters currently work for the F.G. Holl Company.

Elwyn moved to Wichita following his marriage and joined the F.G. Holl Company where he was exposed to and developed an interest in geology. For the next four years he took courses at Wichita University, which culminated in his degree in Geology in 1958. He had many classmates who have been prominent in oil exploration in Kansas. A partial list would include: Jim Gear, Don Shawver, Hugh Gill, Roger McCoy, Don Beauchamp and Arden Ratzlaff. Perhaps the professor that exerted the greatest influence on Elwyn was Jack Blythe.

Some of his activities following graduation included surface mapping in Eastern Kansas and in Colorado where he worked with Harry Oborne, a well-known Colorado Geologist.

In the fall of 1960, he moved to New Concord, Ohio. From 1960 until 1962 he taught at Muskingum College and The University of Ohio, Zanesville. He then returned in 1962 to the University of Wisconsin where he obtained his PhD in Counselor

# **PROFILE**

Education in 1964. Elwyn then taught psychology and did research in technical and vocational education at the University of North Dakota in Grand Forks, North Dakota

Elwyn, then moved to the University of Iowa in 1967, where he was an Associate Professor in Rehabilitation Counseling for the next seven years. In 1974 he rejoined F. G. Holl Company where besides doing geology he has been involved in considerable leasing and other forms of land work. Elwyn says that he has been fortunate in having excellent employees such as Frank Greenbaum, who is still with the company and Bryce Bidleman, who has left the company. Elwyn believes that F.G. Holl exerted more influence on his career than anyone else.

One of the most interest tests in which Elwyn was involved was in Pottawatomie County where he put the deal together and promoted it. It was the 1 Eikenhorst and the late Robert Frensley was the well-site geologist. The result was a dry hole, but in discussing the future payment of damages to the landowner, the landowner was not going to let him leave the location until damages were paid. As an added incentive to pay damages, the landowner sat with a shotgun across his lap during the discussion.

In his only activity as a wellsite geologist, Elwyn recalls an area in Edwards County where no one was testing the Cherokee Sand. Following a successful test initiated by Elwyn, a number of producers were completed.

Through the efforts of Leonard Isern, the company ended up with a large block (25,000 acres) in Edwards County, Kansas. In an attempt to hold and develop

the acreage, 4 rigs were hired in 1981 when 83 wells were drilled.

Professionally, because his work has taken him in a number of different directions, Elwyn is a member of PASOK, WAPL and KGS. He has been active in his church, Grace Presbyterian, serving in several capacities including that of deacon.

Elwyn says emphatically that if he had it to do over he would be a petroleum geologist and advises those just entering the field to keep up with the latest developments and new technology.

Although he hasn't any plans to ever retire, he nevertheless has developed a new avocation. He is now raising buffalo, currently numbering 16, at a lease in the sand hills of Rice County just north of Hutchison. He expresses the hope that at some point, all the members of the Wichita Petroleum Club will be enjoying buffalo burgers at lunch.

This profile has related the story of man who reached a successful career as a petroleum geologist following a different route than most geologists.



Elwin in December of 1957

# **MEMORIAL** Robert W. Frensley

(Material in this memorial was contributed by Jene Darmstetter)

With the death of Bob Frensley on December 20, 2001, our industry lost one of its real stalwarts, and the profession lost one of its finest professional practitioners. As Jene Darmstetter noted, "I found Bob to be a friend and a mentor. I also found Bob to be an intelligent man with a good sense of humor."



Bob was born in 1920 at Duncan, Oklahoma, which is near Velma, a town his grandfather, who migrated north from Texas, helped found when it was still a part of Indian Territory.

During his formative years in Duncan, Bob and his family often spent their weekends on picnics in the nearby Wichita and Arbuckle Mountains with all of their excellent exposures. Bob also attended Boy Scout camp at Turner Falls, which had a nearby "oil seep." In 1940, a test was drilled on his grandfather's farm. Bob always left the impression that he kept the well-site geologist occupied with questions. Although he didn't realize it at the time, this early exposure to geology and the oil industry had a hand in shaping his later life.

From 1938 to 1940, Bob attended Duncan Junior College where he acquired 16 hours

credit of French. This education later played a very significant part in the direction his life was to take him.

Bob entered the army in 1942, and after a very short stay at Vance Air Force Base in Enid, Oklahoma, he departed for Oklahoma A & M for duty with the Army Specialized Training Classification Center, French Section. He was later assigned to St. Louis University for what he presumed would be additional training in French. The army, in its infinite wisdom, assigned him to the German language and Area Studies. Following an intensive course in German he was assigned to the 529<sup>th</sup> Field Artillery Battalion. Bob arrived in Europe in time to take part in the Battle of the Rhineland.

With the end of the war in Europe and while waiting to be reassigned, Bob decided to take additional courses in German at the Biarritz University, Biarritz, France. He found that the courses were unavailable, but on the advice of the sergeant in charge, he enrolled in courses at an adjoining table in

geology. Once again he was on his path to his profession.

Bob was very fortunate in having as instructor, Dr. J. J. Galloway, who was on leave from the University of Indiana. Under Dr. Galloway, Bob was exposed to considerable geology, not usually available to a beginning student. This exposure included field trips every weekend.

Following his discharge at Camp Chaffee, Arkansas, he married Betty Brown of Duncan who he had known since the first grade. In 1951, a son was born to this union, Dr. William R. Frensley, now a professor of Electrical Engineering at the University of Texas (Dallas).

Bob enrolled at the University of Oklahoma where he came under the influence of two acknowledged leaders in the field of Geology, Dr. Frank Melton and Dr. Carl Moore.

After graduation in 1948, Bob joined Continental Oil Company where he worked for a period under Roger Messman and later Bill Iverson. Bob always thought that Bill Iverson was a very positive influence on his career.

In 1951, Bob took the plunge and became

## **MEMORIAL**

a consulting geologist and continued in that capacity until his death. In his work as a consultant he engaged in a far greater variety of work than the average consultant. Included was work as the wellsite geologist on more than 500 tests, direction of oil and gas exploration programs, feasibility studies for waterflooding, gas storage and infill drilling, oil and gas property evaluations; expert witness before several commissions and both Federal and State Courts, and 13 years as a consultant to the Kansas Corporation Commission.

In addition, he served as a mentor to other geologists particularly those just entering the field. Jene Darmstetter, first met Bob when Jene was employed as a draftsman for Petroleum, Inc. and Bob was representing Petroleum, Inc. at KCC hearings. They would work close on presentations to be submitted to the Commission. Jene believes this association was instrumental in his receiving permanent employment as a staff geologist.

Later Bob broke Jene out on some well-site duties. One particular test for John Graves and Petroleum, Inc., the #1 Kottmann in Rice County, created considerable excitement. The first 50' of recovery on a DST was oil to be followed by 2500' of water. Following this disappointment they returned to Wichita and Bob invited Jene by his house for a relaxing drink. Although Bob had some vodka, the only mixer was cream soda. They had vodka and cream soda which remained an "inside joke" for some time. Bob told the story to his peers at the community table of the Petroleum Club. Bob and Jene collaborated on a pool study of the Spivey-Grabbs area for the KGS Oil and Gas Volume IV.

One story that Bob liked to relate concerned an encounter with a farmer while he was the wellsite geologist on a test south of Ellis, Kansas. The farmer told him "you oil people are ruining the world." When Bob requested an explanation, he elicited the response that "since the world was turning on its axle (sic) and our industry was drilling holes and draining the lubricant for the bearings, at some point the world would cease to turn and then we would have perpetual darkness on one side of the world and perpetual

light on the other."

His son, Dr. William Frensley, recalls that Bob was always very concerned about well-site safety. He told stories about making the crews put out all stoves in 15 degree weather before coming out of the hole for a DST.

Bob served the Kansas Geological Society in many capacities including that of President in 1971. While he was President of the Society, he was very involved in establishment of the rules that required depositing samples and logs with the Kansas Geological Survey for all wells drilled in Kansas. In 1981, the Society bestowed Honorary Membership on Bob for his many contributions to the Society and his profession. Bob was also a member of the American Association of Petroleum Geologists and served that organization as President of its Mid-Continent Section in 1975. During his career he was also a member of the Society of Independent Professional Earth Scientists and the Society of Petroleum Engineers.

Bob was one of those geologists who contributed so much to the Kansas oil industry. He will be missed by all of those who were associated with him.

### **SIPES News**

## KGF TAPE REVIEWS

#### February 20, 2002

SIPES will hold their monthly meeting on February 20, 2002 with lunch at 11:45 am in the Petroleum Club followed by an open meeting in the Bank of America Auditorium at 12:30 pm. The speaker will be William Johnson of Discovery Capital, L.L.C. His talk is entitled: "Venture Capital for the Small Independent." Members of WAPL, PASOK, KIOGA, KGS and the general public are invited to attend.

#### **Current Local SIPES Officers**

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#### **KGF Tape Reviews**

#### Go Figure—22 Minutes

Phillips Petroleum; This is an educational video about math in daily living.

#### Slinky Scientific Shindig - 20 Minutes

Phillips Petroleum; This video discusses the slinky toy's place in demonstrating scientific principles.

#### **Bird Brained - 22 Minutes**

Discusses the migration of birds and the importance habitats are to the health of birds.

#### **Crude Energy** - 22 Minutes

Phillips Petroleum; Myths about petroleum are shattered as students get a backstage look at drilling and exploration.

#### The Truth About H20 - 22 Minutes

Phillips Petroleum; This tape features a new spin on the old earth science water lecture. From the hydrologic cycle and pollutants to water audits and microorganisms, its all on tape.

#### Wasatch Cashe—Petroleum Showcase

18.5 minutes—Forest Service

This tape outlines the cooperative effort in the Unita Mountains between the Forest Service and various oil companies to develop reserves while protecting the environment.

#### **Showcasing Mineral Activity**—15 Minutes

Forest Service; A tape that portrays the mineral industry working in harmony with the Forest Service to develop mineral resources within national forests.

# **Coal Mining in a Multiple Use Environment** 19 Minutes

Forest Service; This tape outlines the development of partnerships between coals operators, other land users, the Forest Service and regulatory agencies to maximize coal recovery with little disruption or impact to other resources.

#### Hardrock Showcase—Humboldt National Forest

16.46 Minutes—Humboldt National Forest Portray how the Forest Service and the Independence Mining Co. have worked together to design the Big Spring Mine in order to reduce the environmental impact to the lowest level possible.

#### (Tape Reviews Continued)

Phosphate—Nothing Can Match It—8.5 Minutes This tape explains the many uses of phosphate from fertilizer to tires to soda pop.

The Early Americans—40 Minutes

Shell Oil; This tape discusses the existence of man in the New World from an excavation of a mammoth kill site, at which Clovis projectile points were found.

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The Kansas Geological Society and Reichenberger Development, Inc., are proud to offer the KS Snooper Professional Version. The database contains oil and gas production data for the State of Kansas. It is a PC-based program that is easy to use and features full mouse support.

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For more information, contact the staff at the Kansas Geological Society, (316) 265-8676.

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# KGS Library Now Open on Thursday Nights

The KGS Library is now open Thursday nights until 9:00 pm

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- Geologists who have left the business to work elsewhere during downturns in the oil business
- Out of town members will now be able to maximize a trip to our library to do research, perhaps cutting a full day off of their visits

We generally chip in for pizza for dinner. Join us for the camaraderie

## KANSAS GEOLOGICAL FOUNDATION

#### **Kansas Geological Foundation Services**

The Kansas Geological Foundation provides the following services as a part of the organization's commitment to educate the public regarding earth science.

**Speaker's Bureau** - A list of speakers available to talk about various aspects of geology may be obtained by contacting Janice Bright at the KGS Library, 265-8676. This service is free to the public.

**Videotape Library** - The KGF maintains a videotape library focused primarily on the various fields of earth science. These tapes may be checked out without charge by the public. To obtain a list of tapes, please contact the KGS Library, 212 N. Market, Ste. 100, Wichita, KS 67202, or call Janice Bright at 265-8676.

New Slides on Energy from AAPG - 14 slides are available from the Speaker's Bureau on energy. Please contact Bob Cowdery at 267-9030 to check out the slides.

The Kansas Geological Foundation was founded in March of 1989 as a not-for-profit corporation under the guidelines of section 501(c)(3) of the tax code to provide individuals and corporations the opportunity to further the science of geology. It is dedicated to providing charitable, scientific, literary and educational opportunities in the field of geology for the professional geologist as well as the general public.

KGF can receive in-kind donations through which the donor may receive a tax deduction. Of equal importance, the KGF provides the financial resources to sort, process and file this data at the KGS library. If you have a donation to make, please contact the KGF at 265-8676.

Your tax-deductible membership donation helps to defray the cost of processing donations and to support public education programs about the science of geology. Annual membership begins at \$50.00 per year. Donations of \$100.00 or more are encouraged through the following clubs:

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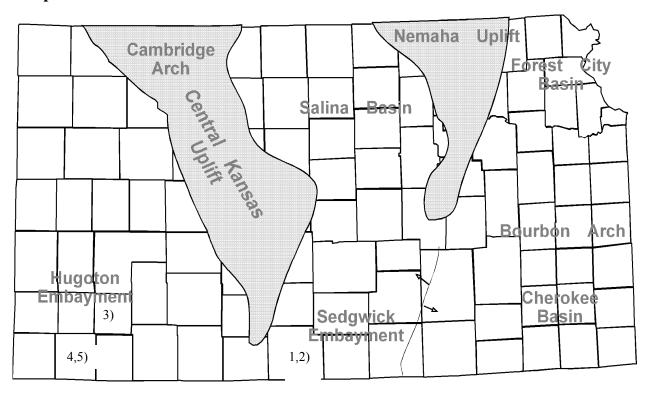
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Robert Gebhart	01/90 1990	Elmer "Lucky" Opfer	12/96 1997
George Bruce	09/90 1990	Gerald J. Kathol	03/97 1997
Ray Anderson, Jr.	11/90 1990	Raymond M. Goodin	03/97 1997
Harold McNeil	03/91 1991	James D. Davies	08/88 1997
Millard W. Smith	08/91 1991	R. Kenneth Smith	04/97 1997
Clinton Engstrand	09/91 1991	Robert L. Dilts	05/97 1997
M.F. "Ted" Bear	10/91 1991	Delmer L. Powers	06/72 1997
James & Kathryn Gould	11/91 1991	Gene Falkowski	11/97 1997
Benton Brooks	09/92 1992	Arthur (Bill) Jacques	1/98 1998
Robert C. Armstrong	01/93 1993	Bus Woods	1/98 1998
E. Gail Carpenter	01/93 1993	Frank M. Brooks	03/98 1998
Nancy Lorenz	02/93 1993	Robert F. Walters	04/98 1998
Norman R. Stewart	07/93 1993	Stephen Powell	04/98 1998
Robert W. Watchous	12/93 1993	Deane Jirrels	05/98 1998
J. George Klein	07/94 1994	William G. Iversen	07/98 1998
Harold C.J. Terhune	01/95 1995	Ann E. Watchous	08/98 1998
Carl Todd	02/95 1995	W.R. "Bill" Murfin	09/98 1998
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ber 14, 2001. Benny was living		Jerry A. Langrehr	07/00 2000
lage, Arkansas. If any of you vecondolences to his widow, we		Clark A. Roach	07/00 2000
dress.	can provide an au-	Ralph W. Ruuwe	09/00 2000
diess.		Robert L. Slamal	02/01 2001
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## **EXPLORATION HIGHLIGHTS**

## By John H. Morrison, III Independent Oil and Gas Service



1.) Jack Exploration, Sulphur (OK), has expanded the Wolgamott field in Barber County with the completion of three Mississippian gas wells. The Mississippian formation is a new pay source in the field where principal source of production has been from the Cherokee in the past.

The operator first drilled the #1-9 Wolgamott, C NE/4 of section 9-T35S-R14W, in August last year. The well was finaled as flowing 404 Mcf gas daily with little water beginning September 11, 2001. Mississippian zone is perforated from 4818 to 4826 ft and 4840 to 4856 ft. Total depth is 4950 ft.

The #2-9 Wolgamott was then drilled to 5000 ft in late September in SE/4 of section 9. The well was actually the first well to be hooked up for sales in October at a flowing rate of 1,669 Mcf gas daily. Pay is coming from perforations from 4825 to 4844 ft and 4876 to 4898 ft.

The third well, a field stepout, #1-3 Benson, SW/4 in section 3, is flowing 434 Mcf gas daily from a

depth between 4832 to 4882 ft and 4892 to 4940 ft. Total depth is 4975 ft. Production commenced on November 7, 2001. Field area is located about 10 miles west of Hardtner, Kansas.

2.) Redland Resources, Oklahoma City (OK), has expanded Mississippian gas production into the extreme southwest corner of Barber county, near the Oklahoma line, with the completion of two development wells. The wells were drilled outside the multipay Aetna Gas Area and will extend the field's boundaries into sections 7 and 18-T35S-R15W.

The #7-15 Spicer, in SE/4 of section 7, and the #18-3 Miller, spotted in NW/4 of irregular section 18, are each flowing natural gas at a rate of 200,000 cu ft per day, no water. The Spicer well is producing from perforations shot from 5184 to 5204 ft and 5230 to 5250 ft, while the Miller found productive zones between 5232 to 5244 ft, 5246 to 5276 ft and 5292 to 5299 ft. Total depths were 5350 ft and 5400 ft respectively. Duke Drilling served as con-

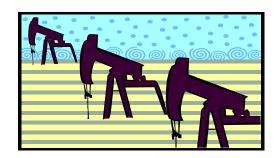
tractor. Mike Pollok was wellsite geologist. Field area lies about 18-1/2 miles due west of Hardtner, Kansas.

- 3.) OXY USA has discovered new Morrow oil reserves at a wildcat well in western Haskell County, east of the multipay Pleasant Prairie Southeast field. The #2 Frey 'G', located in N/2 of section 19-T27S-R33W, was put on pump and completed for an undisclosed potential on December 4, 2001. The well lies three-quarters mile east of OXY's #5 Frey 'A' and #6 Frey 'A', both spotted in the SE/4 of section 13-27S-R34W, within the Pleasant Prairie Southeast field. Those wells are also producing oil from the Morrow sands at around 5050 ft. Oxy tested Mississippian Chester zone at new discovery site, but found it to be nonproductive. Duke Drilling served as contractor and drilled the well to a total depth of 5490 ft. the new unnamed oil field is located 14 miles north and 6-1/2 miles west of Sublette, Kansas.
- 4.) Anadarko Petroleum Corp. has completed a new

View multiple wells simultaneously w Crossview® is the most innovative. exciting and affordable cross-section software program available. Build cross-sections, hang datum lines, draw and color fill polygons, outline Products to make finding and managing curves, and perform a myriad Hydrocarbons easier and faster. of other functions Special enhancements with Pipeline allows information to be imported from your in-house database. High Resolution Raster Images are 1.800.592.1424 available from Riley's enormous 4 million log database. Oklahoma City, OK 73113-2460 www.rileyelectriclog.com 405.848.4407 • Facsimile 405.848.4036 Morrow gas discovery in Stevens county, as well as expanded the pool boundary of the Walkemeyer gas field with the successful completion of a second producer

Anadarko Petroleum has completed their #1 HJV Allbritten 'A' for an unknown potential. The Walkemeyer field stepout well is also flowing natural gas from the Morrow Sand and started first sales on October 29, 2001. The 6620 ft deep well is located in the NE/4 of section 21-T33S-R36W, about 6 miles east of the city of Hugoton. It is situated almost three-quarters mile west of closest gas production in the field. Hugoton Energy's #2-15 Mueller, SW SE in section 15, flowed 156 Mcf gas and some oil from Morrow at 6036 to 6106 ft in 1995.

In section 3-T31S-R39W of Stevens County, OXY's #1 HJV Muncy 'A' is flowing an undisclosed amount of natural gas at site located in the NW/4 of section 3-T31S-R39W. The unnamed pool discovery was drilled in September last year to a total depth of 6150 ft by Norseman drilling tools. First gas sales commenced on October 10, 2001. Well site lies just south of county junction lines with Stanton and Grant counties and is nearly 1-1/2 miles northwest of closest production in the Denious field in section 11. In the SW/4 of section 11, Hugoton Energy (now Chesapeake Operating) completed their #1-11 MLP Simmons for 973 Mcf gas daily from Morrow at 5686 to 5734 ft. in 1995. Field area is located 13-1/2 miles north and 10-1/2 miles west of Hugoton, Kansas.



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Washington Irving

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